

July 2, 2014

**INITIAL PREPARATION 10-14 DAYS BEFORE FLIGHT.**

- DATE (LOCAL): 04 MAY 16  
INITIALS: Pr  
PUMP#: 2730795
1. Run zero air 10 minutes  (✓)
  2. PUMP CURRENT: 99.45 (mA)
  3. PUMP PRESSURE: >10 (psi)
  4. DMT Press/vac: 28/20 (in Hg)
  5. Bypass cell  (✓)
  6. Add 5-6cc cathode  (✓)
  7. 30 MINUTES HI O<sub>3</sub>  (✓)
  8. 3 MINUTES NO O<sub>3</sub>  (✓)
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9. DUMP CATHODE RINSE:  (✓)
  10. ADD 3.0 CC FRESH CATHODE # 262
  11. ADD 1.5 CC ANODE SOLUTION:  (✓)
  12. RUN 10 MINUTES on NO O<sub>3</sub>  (✓)
  13. RECORD CURRENT BEFORE O<sub>3</sub>: BG = 0.214  $\mu$ A
  14. RUN 10 MINS on 5  $\mu$ A O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR.
  15. RECORD: TIME TO DROP FROM 4 TO 1.5  $\mu$ A: 37.74 sec.
  16. Run sonde for 10 mins on NO O<sub>3</sub>  (✓)
  17. RECORD CURRENT: BG = 0.212  $\mu$ A
  18. Short the cell leads:  (✓)
  19. Intake tube stored in sonde frame:  (✓)
  20. Place Sonde inside plastic bag:  (✓)
  21. Store inside Styrofoam flight box:  (✓)

**AFTER 1 WEEK: REPLACE SOLUTIONS:**

- DATE (LOCAL): 5/10/16
1. RUN 5 MINS on NO O<sub>3</sub>  (✓)
  2. RECORD CURRENT: 0.141  $\mu$ amps
  3. RUN 5 MINS on 5  $\mu$ amps O<sub>3</sub>  (✓) - then switch to NO O<sub>3</sub> AIR
  4. RECORD TIME TO DROP FROM 4 TO 1.5  $\mu$ amps: 27.28 sec
  5. Short cell leads and Store in Styrofoam flight box:  (✓)

**FLIGHT PREPARATION IN LAB.**

- DATE (LOCAL): 5/21/2016  
INITIALS: BW      A: Apr 1, 2016  
C: Oct 21, 2015
1. Cathode solution # or date written on bottle: C: Oct 21, 2015
  2. CHANGE CATHODE SOLUTION (3cc):  (✓)
  3. CHANGE ANODE SOLUTION (1.5cc): Yes (Yes/No)
  4. RUN ON NO O<sub>3</sub> FOR 10 MINUTES:  (✓)
  5. RECORD THE NO O<sub>3</sub> BACKGRND#1: BG1 = 0.044  $\mu$ amps
  6. RUN ON 5 microamps of O<sub>3</sub> for 10 Minutes:  (✓)
  7. SWITCH TO NO O<sub>3</sub> AIR
  8. RECORD: DECAY TIME TO DROP FROM 4 TO 1.5  $\mu$ amps: 25.41 sec
  9. RECORD: 5 - T100 FLOWRATE TIMES:

T100 FLOWRATE TIMES:

ROOM TEMP (C): 23.2 ROOM RH (%): 46  
Flowrate Correction: 2.4 (%)  
FLOWRATE #1: 29.29 sec  
FLOWRATE #2: 29.29 sec  
FLOWRATE #3: 29.35 sec  
FLOWRATE #4: 29.39 sec  
FLOWRATE #5: 29.30 sec  
AVERAGE T100: 29.32 sec

	1	2	3	average
dry	27.47	27.53	27.60	27.53
wet	28.23	28.13	28.18	28.18

**DAY OF FLIGHT @ THE LAUNCH SITE.**

FLIGHT NUMBER: HU970  
GMT DATE (YYMMDD): 160521 LOCAL DATE: 160521  
GMT LAUNCH TIME: \_\_\_\_\_ LOCAL TIME: 1:00 PM  
Operator Initials: BW  
BALLOON SIZE: 1200 Grams: TOTEX \_\_\_\_\_ Hwoyee \_\_\_\_\_ PAWAN \_\_\_\_\_ (✓ one)  
PAY-OFF-WEIGHT: \_\_\_\_\_ Grams: Burst Alt: \_\_\_\_\_ (km) Turn/Burst: \_\_\_\_\_

O<sub>3</sub> sn: \_\_\_\_\_ O<sub>3</sub> CELL BACKGROUND ( $\mu$ amps): \_\_\_\_\_ O<sub>3</sub> Ventilation Holes: \_\_\_\_\_  
O<sub>3</sub> Flowrate: \_\_\_\_\_ (sec) O<sub>3</sub> Flowrate Correction: \_\_\_\_\_ (%)

Radiosonde sn: \_\_\_\_\_ Freq: \_\_\_\_\_ (MHz)  
NOAA FPH sn: \_\_\_\_\_ (if using Frost Point Hygrometer.)

SURFACE PRES: \_\_\_\_\_ (hPa)  
SURFACE TEMP: \_\_\_\_\_ (C)  
SURFACE RH: \_\_\_\_\_ (%)

Sky Conditions: \_\_\_\_\_

REMARKS: \_\_\_\_\_